

Hillbilly Golf

Game Building Instructions

Included

2-foot Fence Building Instructions

Bolo making Instructions

Minus Bar Building Instructions
and Minus bar play rules

Plus some Extras!

Hillbilly Golf Game

2-foot fence Building Instructions

Materials Needed

4, 10 foot long, $\frac{3}{4}$ inch PVC pipes
At least 12 golf balls
Approximately 10 feet of $\frac{1}{8}$ inch rope
12, "T" fittings ($\frac{3}{4}$ in.)
12, 90 degree Corner Joint($\frac{3}{4}$ in.)
Spray paint (optional)
Glue (optional)

Tools Needed

Hobby saw
Drill press
Glue
Rubber mallet
Tape measure
Marker

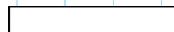
Corner Joint



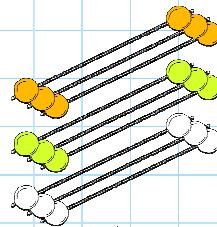
"T" Joint



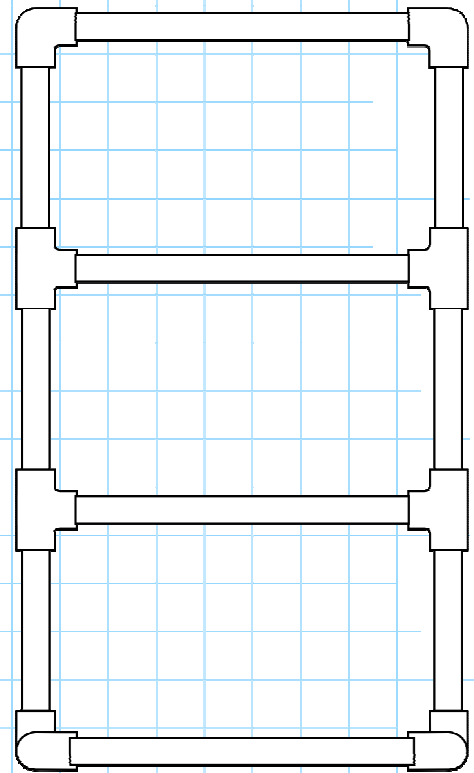
2 feet



1 foot



Bolos



Front

Building the Fences

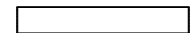
The first thing to do is cut up the 10-foot poles into the pieces needed to make the fences. In order to keep the pieces as close to the same length as possible, we will measure one piece and cut that piece. Then, measure another and cut it, and continue on in this manner. **Remember to follow all manufacturers' manuals and safety instructions/precautions when using powered and non-powered tools.** Use the first piece you cut to size up all the rest of the pieces in order to make sure the pieces stay as close to the same length as possible.

Two of the 10-foot poles will be cut up into *ten*, 2-foot pieces.



2 feet

The other *two* 10-foot poles will be cut up into *twenty*, 1-foot pieces.

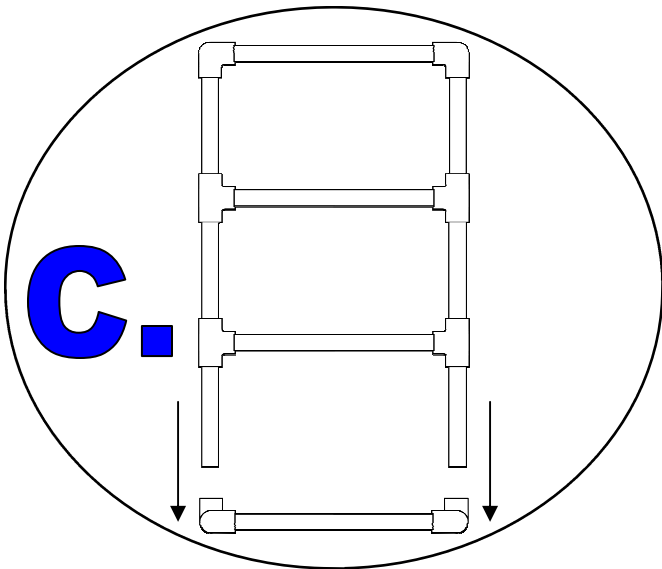
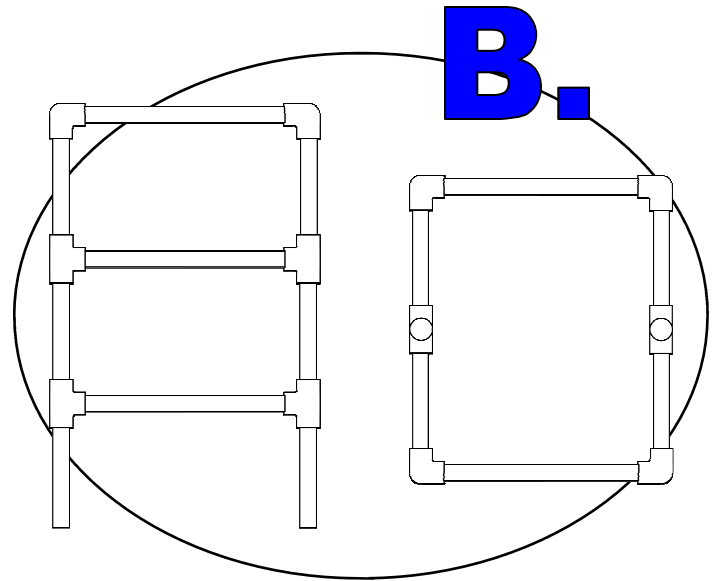
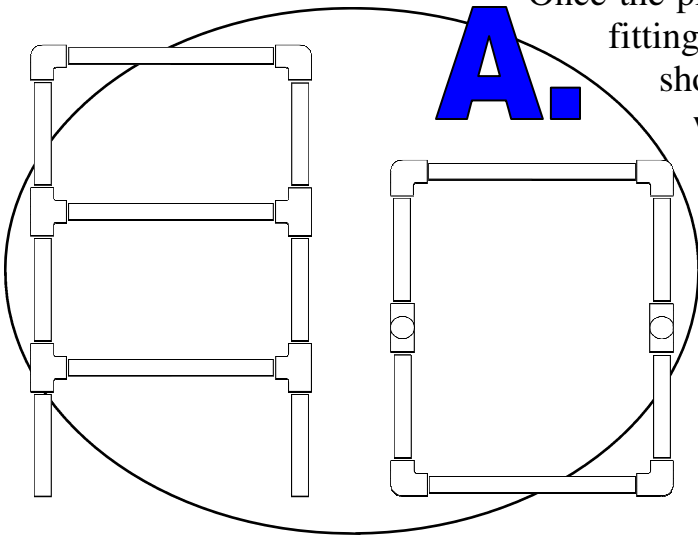


1 foot

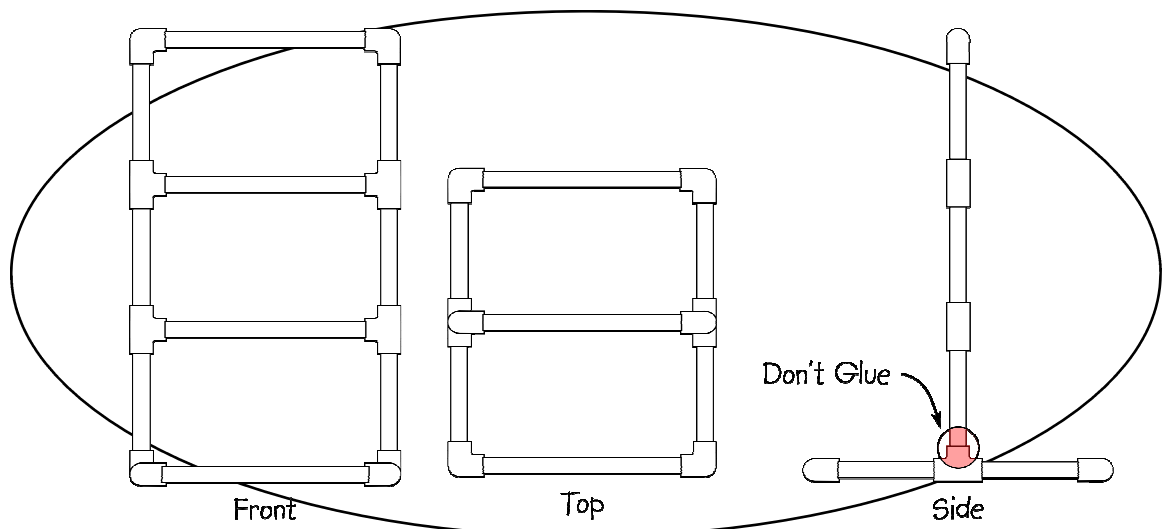
If you were to measure out exactly 1 foot, cut, and repeat, the last pole would end up shorter than the rest (due to the saw cutting away some of the pole). To alleviate this problem each pole will be measured $\frac{1}{16}$ th of an inch shorter than it should be. So the "1-foot" pieces will really be 11 and $\frac{15}{16}$ inches long; the "2-foot" pieces will be 23 and $\frac{15}{16}$ inches long. When you get to the last piece, you will have approximately $\frac{1}{4}$ to $\frac{5}{16}$ of an inch leftover. However, all of the poles will be the same size.

Construction of the Fences

Once the pieces are cut, you should have enough pipes and fittings to construct two fences. Construct the fences as shown in the diagram. Use glue on all joints except where the fence connects to the base. This will allow you to take the fence off the base for easy storage. If you wish, you may choose not to glue any of the fittings, which will allow you to take apart the whole game and store it anywhere. Use a rubber mallet to lightly tap the pipes into the fittings.



You will do this twice,
to make 2 fences.

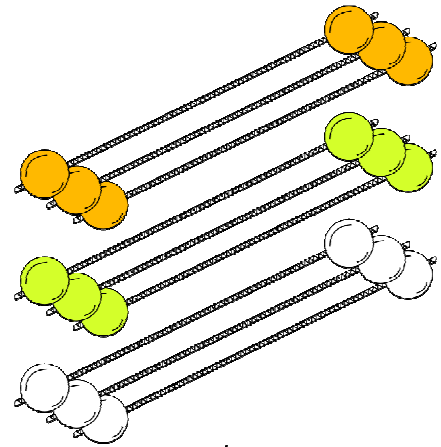


Hillbilly Golf Game

Construction of the Bolos

First, using a drill press, drill a hole through the center of each golf ball. **Remember to follow all manufacturers' manuals and safety instructions/precautions when using powered and non-powered tools.** The hole you drill should be a little bigger than the width of the rope. This will make it easy to get the string through the golf balls. After tying the knots in the ends, the golf balls will not fall off.

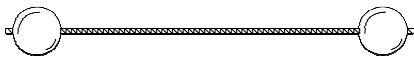
It is NOT recommended to use a hand held drill to drill the holes in the golf balls. If you do not have a drill press, ask a friend. If no friends have a drill press, visit your local high school and see if the shop teacher can drill the holes for you.



Bolos

After all the golf balls have been drilled, you may choose to paint six of them one color, and the other six another color. You can also buy different colored balls, which will hold their color longer than being spray painted.

18 inches



Next, measure out six pieces of rope 18 inches long.

You will then tie a knot in one end of the rope and string it through two golf balls.

If you have a nylon based rope, you can use a lighter to sear the ends of the rope so it does not fray when you push it through the golf ball.

Finish by tying off the other end of the rope. The golf balls will be loose on the rope. This does not affect game play.

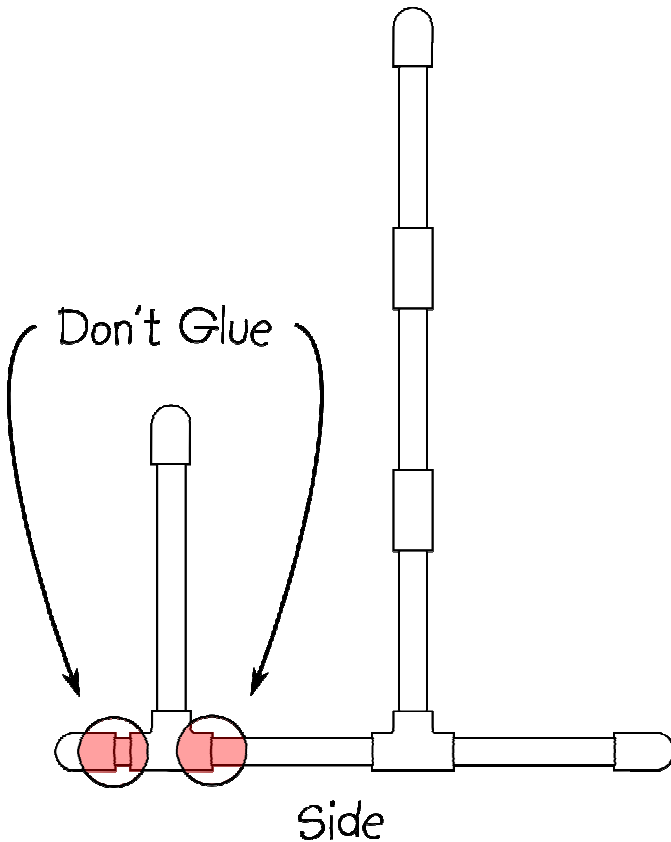
Six bolos are enough to play Hillbilly Golf with two Players or two Teams of two Players. However, if you wish to play Super Hillbilly Golf (which would be 3 Players or three Teams of two players) then you will need nine bolos.

To make nine bolos you would need 9 pieces of string and 18 golf balls total.

Hillbilly Golf Game

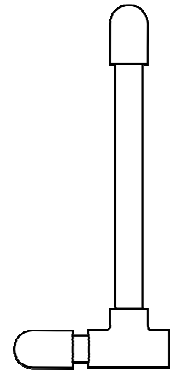
Minus Bar Building Instructions

You can also place a minus bar on the back of the base of the fence, as shown below.



The Minus bar goes on the back of the base and is 1 ½ feet tall.

To make the Minus Bar for both fences you will need two more 10 foot PVC pipes (or 15 feet of PVC pipe – one whole 10 foot pole for the main pipes and another 2 feet at least to cut the small pipes to connect the back end of the base back onto the base).



Cut two 2 foot pipes, four 1 ½ foot pipes, and four 6 inch pipes. Construct the Minus Bar and attach it to the base as shown. Remember not to glue the back of the base onto the base or the Minus Bar. This way you can remove the Minus Bar when you do not want to use it.

Also, remember to measure the 2-foot pieces the same way you measured the rest of the 2-foot pieces or else the minus bar may not fit onto the base. (subtracting $\frac{1}{16}^{th}$ of an inch from the measurement...)

Minus Bar Gameplay Rules

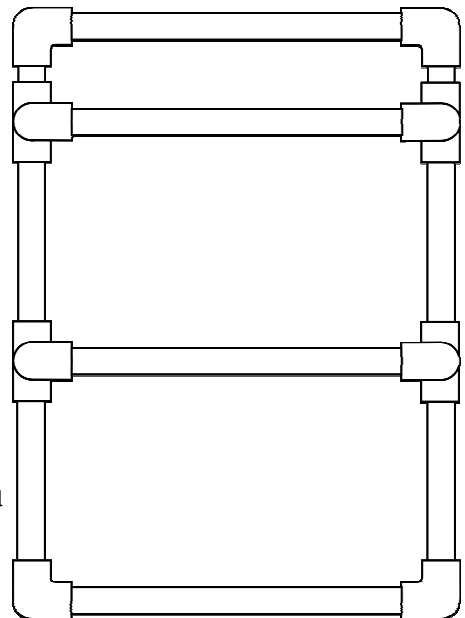
The Minus bar is used as follows:

If you land a Bolo on the Minus Bar then you will take your points for that round and subtract one.

This means:

If you have 21 points, but hit the minus bar, you end up with only 20 points and have not won yet.

If you go over 21 by one point but then hit the minus bar, you will have 21 points and will win (as long as your opponent does not knock your bolos off or tie with you).

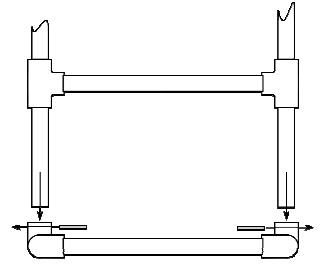


Top

Hillbilly Golf Game

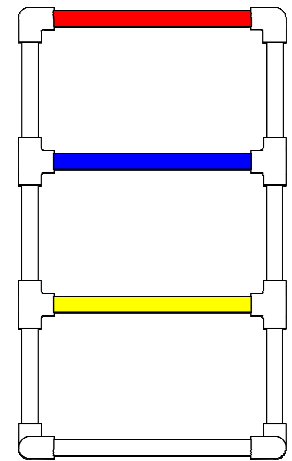
Extras

- If you want, you can sand down the ends of the Fence where it connects to the base. This will make it easier to take the fences apart. You can then drill holes into the fitting and the end of the pole. When you put them together, stick a small stick or pencil through the holes to keep them from coming apart during game play.



- You can Buy sticker paper and print out Numbers to stick on the fence. This would be good for designating point value of the different rungs.

- You can paint the different rungs different colors. This can also help designate the point values of the rungs. Do not paint the rungs the same colors as the Bolos, however, as people may think there is a correlation there; when in reality there is not.



- You can also paint the entire fences. First, you must clean the fences off with a mild soap/water and a cloth. Allow the fences to dry. Then, using a spray paint made for plastics, paint the fence. Make sure to paint the fences in a well ventilated area, such as a driveway or back yard. Also, be careful of the wind. It may blow paint onto your house, car, or any passers-by. You might also need to give the fences more than one coat.

- For storage, first take apart the fence from the base. Then you can:

- Stack the parts on top of each other and use a large cable tie on three of the four sides. The best ones to use are the elastic band loops with the ball on one end. These are made for things such as extension cords, but work great for Hillbilly Golf games as well.
- Using two ladder hangers, hang the game in a garage, closet, or basement. You can also use just about any other type of hanger, but it must be big enough to fit the fence pieces on with some room to spare.

